

CLAIMS

What is claimed is:

- 5 1. An apparatus for replacing a fluid comprising: a fully sealed system interconnected by a means for fluid conduction with a first lower port of a spent fluid container and a second lower port of a new fluid container; a fluid pump interconnected by the fluid conducting means in such manner as to suck air from a first upper port of the spent fluid container, thereby urging spent fluid from the system into the spent fluid container, and a source of
10 air pressure interconnected by the fluid conducting means with a second upper port of the new fluid container for urging new fluid into the system thereby replacing the spent fluid.
2. The apparatus of claim 1 wherein the source of air pressure is joined to the fluid pump for producing suction therein by the Bernoulli effect.
- 15 3. An apparatus for replacing brake fluid comprising: a fully sealed system having plural brake cylinders interconnected in parallel by a means for fluid conduction with a first lower port of a spent fluid container and a second lower port of a new fluid container; a fluid pump interconnected by the fluid conducting means in such manner as to suck air from a first upper port of the spent fluid container, thereby urging spent fluid from the
20 brake cylinders into the spent fluid container, and a source of air pressure interconnected by the fluid conducting means with a second upper port of the new fluid container for urging new fluid into the brake cylinders thereby replacing the spent fluid.
4. The apparatus of claim 3 wherein the source of air pressure is interconnected with the fluid pump for producing the Bernoulli effect therein.
- 25 5. The apparatus of claim 3 further comprising a master cylinder interconnected for fluid interchange between the new fluid container and the brake cylinders.
6. The apparatus of claim 3 further comprising a master manifold interconnected for fluid interchange between the brake cylinders and the spent fluid container.
7. The apparatus of claim 6 wherein a stopper is used to seal an inlet of the master cylinder.

8. An apparatus for replacing brake fluid comprising: a fully sealed system having a brake cylinder interconnected by a means for fluid conduction with a first lower port of a spent fluid container and a second lower port of a new fluid container; a fluid pump interconnected by the fluid conducting means in such manner as to suck air from a first upper port of the spent fluid container, thereby urging spent fluid from the brake cylinder into the spent fluid container, and a source of air pressure interconnected by the fluid conducting means with a second upper port of the new fluid container for urging new fluid into the brake cylinder thereby replacing the spent fluid.
9. The apparatus of claim 1 wherein the source of air pressure is joined to the fluid pump for producing suction therein by the Bernoulli effect.
10. A method for replacing brake fluid comprising the steps of: providing a fully sealed system having plural brake cylinders; interconnecting the brake cylinders in parallel using a means for fluid conduction, the brake cylinders joined with a first lower port of a spent fluid container and a second lower port of a new fluid container; interconnecting a fluid pump so as to suck air from a first upper port of the spent fluid container, thereby urging spent fluid from the brake cylinders into the spent fluid container; interconnecting a source of air pressure with a second upper port of the new fluid container thereby urging new fluid into the brake cylinders to replace the spent fluid.
11. The method of claim 10 further comprising the step of interconnecting the source of air pressure is with the fluid pump for producing the Bernoulli effect therein.
12. The method of claim 10 further comprising the step of interconnecting a master cylinder for fluid interchange between the new fluid container and the brake cylinders.
13. The method of claim 10 further comprising the step of interconnecting a master manifold for fluid interchange between the brake cylinders and the spent fluid container.
14. The method of claim 13 further comprising the step of placing a stopper to seal an inlet of the master cylinder.